

the elasticity of said interior sheet functioning to exert a lateral force on said exterior sheet such that said inflatable bladder is maintained substantially wrinkle-free when applied to a human foot.

3. (Amended) The medical device as recited in claim 1, wherein said inflatable bladder is formed between said interior sheet and said exterior sheet[, said inflatable bladder consisting essentially of] and comprises a portion of said interior sheet, a portion of said exterior sheet and an inlet for inflation thereof.

8. (Twice amended) A medical device adapted for [use with] cyclical application of fluid pressure [to apply said pressure] to a human foot[, said medical device] comprising:

an interior elastic fabric sheet for engaging a human foot;

an exterior fabric sheet [that is less extensible than said interior fabric sheet, the exterior fabric sheet being] joined with said interior sheet in a manner forming a foot wrap having an integral bladder formed in a main portion of said foot wrap between said interior sheet and said exterior sheet;

a first tab extending from the main portion of said foot wrap for [releasably securing said foot wrap to a human foot by] wrapping around the arch of a human foot and releasably securing said foot wrap to the human foot with the bladder formed in the main portion of said foot wrap positioned so as to act directly against the sole of the foot when inflated; and

an elongate second tab extending from the main portion of said foot wrap for [releasably securing said foot wrap to a human foot by] wrapping around the heel for maintaining the position of the bladder against the sole of the foot.

13. (Amended) A medical device adapted for [use with] cyclical application of fluid pressure to a human foot [said medical device] comprising:

a foot wrap for engaging a human foot, said foot wrap [having] comprising an integral inflatable bladder and an outer surface [consisting essentially of hook-type compatible] comprising a base material compatible with the hooks of a hook and loop-type fastener;

a first tab comprising a plurality of hooks of a hook and loop-type fastener appended to said foot wrap for [releasably securing said foot wrap to a human foot by] wrapping around the arch of a human foot for releasably securing said foot wrap to the

human foot with the bladder positioned so as to act directly against the sole of the foot when the hooks contact the outer surface of said foot wrap; and

an elongate second tab comprising a plurality of hooks of a hook and loop-type fastener appended to said foot wrap for releasably [securing said foot wrap to a human foot by] wrapping around the heel and releasably securing to the outside surface of said foot wrap for maintaining the position of the bladder against the sole of the foot.